

## Danner, Ward

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**From:** Brenner, Rita <RBrenner@portla.org>  
**Sent:** Thursday, June 25, 2015 3:41 PM  
**To:** Baylor, Katherine  
**Cc:** Shalev, Omer  
**Subject:** RE: Soxhlet extraction method  
**Attachments:** removed.txt

Thank both of you very, very much.

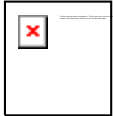
Sincerely,

**Rita Brenner**

*Port of Los Angeles*

Environmental Management Division

(310) 732-3127



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**From:** Baylor, Katherine [mailto:Baylor.Katherine@epa.gov]  
**Sent:** Thursday, June 25, 2015 3:40 PM  
**To:** Brenner, Rita  
**Cc:** Shalev, Omer  
**Subject:** Soxhlet extraction method

Rita –

Here is a link to the Soxhlet extraction method:

<http://www.epa.gov/osw/hazard/testmethods/sw846/pdfs/3540c.pdf>

Method 3540C is used for extraction of PCBs from “solids such as soils, sludges, and wastes” so it’s not generally used in groundwater analysis. Aqueous extraction methods are called out in SW-846 Method 8082, Section 2.1.1:

<http://www.epa.gov/osw/hazard/testmethods/sw846/pdfs/8082a.pdf>

2.1.1 Aqueous samples may be extracted at neutral pH with methylene chloride using either Method 3510 (separatory funnel), Method 3520 (continuous liquid-liquid extractor), Method 3535 (solid-phase extraction), or other appropriate technique or solvents.

EPA’s standard test methods for solid and hazardous waste are found in SW-846:

<http://www.epa.gov/osw/hazard/testmethods/sw846/>

The PCB Question and Answer manual may also be useful (although not with the specific question you had today):

<http://www.epa.gov/osw/hazard/tsd/pcbs/pubs/qacombined.pdf>

Please let me know if you need more information-

Kathy Baylor

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